



Scientists
for cycling



University of
Chester

From e-bikes to e-scooters: A matter of safety

Dr. Peter Cox

Sharing the road and path

- Relationships over road spaces always contested
- Conflicts increase when resources are scarce
- Variations in mass, velocity, power, aerodynamic drag
- Altered acceleration, deceleration, comfortable velocity
- Need to examine relative consumption of transit space

Limits of modal differentiation

- Homogenizes movement patterns by external description
- Ignores substantial diversity
 - Speed bikes are fast even without motors
- At lower speeds percentile relative difference in velocity important
- Some natural boundaries? 25-30km/h?
- Safety from predictability not necessarily from segregation